

**REPORT**

**THE IMPACT OF COMPOSING PAWTUXET RIVER SEDIMENTS  
ON VOLATILE ORGANIC CONCENTRATIONS**

Prepared for:

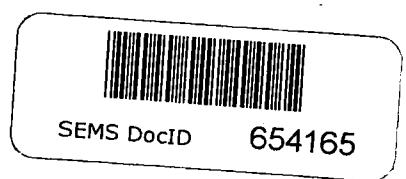
**CIBA-GEIGY CORPORATION  
444 Saw Mill River Road  
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Prepared by:

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87X4660-3.31

November 1992



*R&D*  
9-29-92  
*F.B.*

## EVALUATION OF THE IMPACT ON VOLATILE ORGANIC CONCENTRATION FROM COMPOSITING SEDIMENTS FROM THE PAWTUXET RIVER

### INTRODUCTION

Additional sediment sampling will be conducted during the Phase II Release Characterization of the Pawtuxet River to supplement the fate and transport modeling of the system. The activities to be performed were presented in the September 9, 1992 meeting with EPA in Boston. During this sampling effort, sediment cores will be collected, separated into depth intervals and composited by depth. Discussions with EPA indicate concern over potential loss of volatile organic compounds (VOCs) during sample compositing. The following study is proposed to evaluate this potential loss through analysis of discreet and composited sediment samples from the facility reach. In addition, different sediment sample collection techniques will be evaluated at the same time to expedite sampling efforts during Phase II.

### METHODS

Sediment cores will be collected within the Facility Reach in two areas:

- 1). the high VOC area near sample location SD-O3R where VOC values ranged from 789 to 1290 ppm during the Phase I studies, and
- 2). the low VOC area directly across the channel from the high VOC area near sample location SD02R where VOC values ranged from 28 to 34 ppm during Phase I.

Based on review of the sediment characterization maps, bathymetric maps and hydrographic maps prepared during the Phase II Physical Characterization, the sediment types within these areas are comparable. Within each study area, three cores will be collected using a gravity or push corer. Samples will be collected with no core liner and with a core liner in place. The corer will be lowered to the sediment-water interface and pushed by hand to the maximum possible penetration. The corer is then retrieved into the boat. If no core liner is used, the corer is transported to the sample preparation area where the core is extruded using a sediment sample removal probe. If a core liner is used, the liner will be removed from the barrel in the boat and the plastic eggshell core catcher will be removed. The bottom of the core will be capped. The top portion of the core not filled with sediment, will be cut off with a hacksaw. The core will be capped and transported vertically to the sample preparation area. The core will be extruded using a sediment sample removal probe.

The extruded cores will be measured and physically described (i.e., color, texture) in the field log. The top 0-5 cm and 5-10 cm will be sectioned from each of the three cores. A sediment sample for VOC analysis will be collected from each of these six sections (i.e., 3 cores, 2 depth intervals). The remaining samples will be composited by depth fraction into two composite samples (i.e., 0-5 cm and 5-10 cm). In total, 6 discreet and 2 composite samples will be collected from each area (i.e., 12 discreet and 4 composites total).

Compositing will be performed for each depth interval by placing the three discreet samples into a stainless steel bowl and mixing with a stainless steel spoon until color and texture appear uniform. This composite mixture will be subsampled for VOCs.

The VOC samples will be collected in certified clean containers provided by the analytical laboratory. Samples will be labeled and shipped under custody to the analytical lab as outlined in the Quality Assurance Documents for Phase II.

The results of the VOC analysis will be summarized in a memo and presented to EPA for review within two weeks of receipt of analytical results. The relative percent difference (RPD) between discreet VOC values and composite VOC values will be presented to evaluate relative loss of VOCs due to sample disturbance during compositing. The RPD is defined as the difference between two values divided by the average concentration of the discrete samples. A conference call will be held between EPA, CIBA-GEIGY and their consultants to discuss these results.

*REC'D 11-25-92*  
*F.B.*

**REPORT**

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Prepared for:

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444 Saw Mill River Road  
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**ATTACHMENT A - ANALYTICAL RESULTS FOR VOC ANALYSIS OF SEDIMENT  
SAMPLES**

## INTRODUCTION

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Additional sediment sampling will be conducted during the Phase II release characterization of the Pawtuxet River to supplement the fate and transport modeling of the river system. The procedures for these sampling activities were presented at the September 9, 1992 meeting with EPA in Boston. During this sampling, sediment cores will be collected, segregated into depth intervals, and composited by depth. EPA indicated concern about the potential loss of volatile organic compounds (VOCs) during sample compositing.

Sample compositing is often used to improve the accuracy of the estimate of the population mean being measured while reducing the number of samples that must be analyzed by the laboratory. However, when samples are composited before analysis, no estimate of the variance of the mean can be obtained. Thus, composited samples yield analytical results that are more accurate but less precise. For this reason, the decision to analyze discrete versus composited samples depends on the objectives of the study.

For the Phase II modeling of the Pawtuxet River, accurate estimates of constituents of concern are required over a large area of the river (i.e., from Cranston to the Pawtuxet Cove Dam). Compositing sediment samples within subregions of this area will improve the accuracy of compound concentration estimates within the area while reducing the number of samples that must be analyzed by the laboratory.

However, compositing samples is discouraged when analyzing for VOCs because VOCs may volatilize during homogenization. VOCs are among the constituents of compounds of concern for the Phase II hydrological investigation.

The study reported here was conducted on October 1, 1992 to evaluate the potential VOC loss by comparing VOC analyses of discrete versus composited sediment samples from the facility reach. This study also evaluated different sediment sample collection techniques to determine the most efficient procedure for Phase II sediment sampling.

## SAMPLING PROCEDURES

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### 2.1 SAMPLING LOCATIONS

Before selecting sample locations, data collected during the Phase II physical characterization (sediment characteristics, bathymetric data, and hydrographic data) were reviewed to identify areas of similar sediment type. For this study, sediment cores were collected in two areas of the facility reach (as shown in Figure 1) characterized by cohesive sediments with high total organic carbon(TOC) values:

- Location 1 - near sample location SD-02R where low VOC concentrations ranged from 28 to 34 mg/kg in Phase I; and
- Location 2 - near sample location SD-03R where high VOC concentrations ranged from 789 to 1290 mg/kg in Phase I.

### 2.2 SAMPLE COLLECTION TECHNIQUES

At each sampling location, three cores were collected using a 3-inch diameter hand corer. To evaluate recovery amounts, sediment was sampled both with and without core liners. Before attempting to core, the water depth and sediment thickness (to refusal) were measured with a surveying range pole. After all measurements were recorded in the field log book, the corer was lowered or dropped into the sediment and pushed to refusal by hand. The corer was then retrieved into the boat, the liner was removed from the barrel, and the plastic eggshell core catcher was removed (if one was used). The core was then capped on the bottom and top and held upright while being transported to the sample preparation area.

At the sample preparation area, the top portion of the core not filled with sediment was cut off with a pipe cutter. The core was then extruded using a sediment sample removal probe. The physical characteristics of the extruded cores were measured and described (e.g., length, color, texture,). The top sections (0-5 cm and 5-10 cm) were sampled from each of the three cores. A discrete sample was collected for VOC analysis from each of these six sections (i.e., 3 cores, 2 depth intervals). The remaining sediment was composited by depth fraction into two composite samples (i.e., 0-5 cm and 5-10 cm). Thus, 6 discrete and 2 composite samples were collected at each of the two locations. Table 1 lists the sample identification numbers, core numbers, and depth fractions for the 12 discrete and 4 composite samples collected.

IS THIS  
THE SAME

13 THIS  
THE  
discrete  
samples?

Compositing for each depth interval was performed by placing the three discrete samples in a stainless steel bowl and mixing the samples with a stainless steel spoon until the color and texture appeared uniform. Excessive mixing was avoided to minimize volatilization of VOCs. This composite mixture was sampled for VOC analysis.

Sediment samples were collected in certified clean containers provided by the laboratory. Samples were labeled and shipped under custody to the CIBA-GEIGY Corporate Environmental Technology Center (CETC) in Greensboro, North Carolina. Samples were submitted blindly so the laboratory could not distinguish between discrete and composited samples. The samples were analyzed for VOCs using a modified Method 8240.

**RESULTS****3.1 COMPARISON OF VOC CONCENTRATIONS**

Table 1 presents the VOC results for all 16 sediment samples. The raw data provided by the laboratory are included in Attachment A. Table 2 shows that, at each location and depth interval sampled, the VOC concentration in the composite sample was higher than the average of the VOC concentrations in the three discrete samples, with one exception - the composite VOC concentration for the 5 - 10 cm depth interval at Location 2 was slightly less than the average VOC concentration of the corresponding discrete samples. The relative percent differences (RPDs) for each location and depth interval sampled also are provided in Table 2, and show no discernible pattern. Overall, these results indicate that the potential loss of VOCs through volatilization during homogenization is minimal.

The high variance in VOC concentrations among discrete samples collected at each location and depth interval indicates the heterogeneity of the sediment matrix. Although care was taken to collect equal amounts of sediment from each discrete sample before compositing, differences in moisture content, sediment texture, and organic matter composition made it difficult to ensure equal contributions from the discrete sediment samples.

**3.2 COMPARISON OF SAMPLE COLLECTION TECHNIQUES**

Different sample collection techniques were tested to determine their effectiveness in obtaining the proposed core lengths of 40 cm (approximately 16 inches). Variations in coring procedures included 1) with and without the core liner, and 2) with and without an eggshell core catcher. Also, the corer was either allowed to drop to the bottom under its own weight or pushed by hand to refusal.

Table 3 summarizes the field data collected during sampling. At the two sampling locations, the sediment was relatively thick (ranging from 2 to 3 feet). In general, the sediment consisted of fine-grained sands and silts. Five of the six cores were collected without an eggshell core catcher in place. Not using an eggshell core catcher worked fairly well in this type of sediment but it may be better to use core catchers in sediments consisting of coarser-grained sands or gravel. Even with sediment depths ranging from 2 to 3 feet and in sediment consisting of fine-grained sands and silts, only one core (Core Number 5) of 40 cm (the proposed sampling depth) was recovered from the six coring locations. Obtaining a 40-cm core may be even more difficult in less thick, coarser-grained sediments. Core Number 5 was obtained by dropping the corer to the bottom without a core catcher in place. If additional weight is added to the corer, this technique may be effective in obtaining the desired core length. One coring attempt was made without using a core liner (Core Number 3), and resulted in a core of equal or less length than that obtained using a core liner. Under these conditions, sampling without a core liner had no distinct advantage over sampling with a core liner, and has two disadvantages. First, sampling without a core liner does not allow the option of using a core catcher; second, sampling without a core liner would increase the time needed to decontaminate the coring equipment.

### **3.3 CONCLUSIONS**

Based on these results, composite samples will be collected for the Phase II hydrological investigation of the Pawtuxet River. Based on an analysis of data from discrete and composite samples there is no evidence to suggest that VOCs are lost during compositing. Discrete sediment samples will be collected during the Phase II release characterization and will permit evaluating both the accuracy and precision of analytical results within the upstream, facility and downstream reaches.

## **TABLES AND FIGURES**

**Table 1**  
**Results of VOC Analysis of Sediment Samples**

Sample Location	Sample Identification	Core Number(s) - Sample Type	Depth Interval (cm)	Total VOCs (mg/kg)
Location 1	SD-PT1	1 - Discrete	0 - 5	14.3
	SD-PT3	2 - Discrete	0 - 5	2519.2
	SD-PT5	3 - Discrete	0 - 5	16.0
	SD-PT7	1,2,3 - Composite	0 - 5	878.6
	SD-PT2	1 - Discrete	5 - 10	14.0
	SD-PT4	2 - Discrete	5 - 10	7788.7
	SD-PT6	3 - Discrete	5 - 10	8.5
	SD-PT8	1,2,3 - Composite	5 - 10	4717.1
Location 2	SD-PT9	4 - Discrete	0 - 5	54.0
	SD-PT11	5 - Discrete	0 - 5	1237.7
	SD-PT13	6 - Discrete	0 - 5	320.5
	SD-PT15	4,5,6 - Composite	0 - 5	661.9
	SD-PT10	4 - Discrete	5 - 10	21.0
	SD-PT12	5 - Discrete	5 - 10	454.7
	SD-PT14	6 - Discrete	5 - 10	313.2
	SD-PT16	4,5,6 - Composite	5 - 10	247.8

**Table 2**  
**Statistical Analysis of Sediment VOC Results**

<b>Location 1</b>			
<b>0 - 5 cm depth</b>		<b>5 - 10 cm depth</b>	
Discrete Samples:		Discrete Samples:	
SD-PT1	14.3	SD-PT2	14.0
SD-PT3	2519.2	SD-PT4	7788.7
SD-PT5	16.0	SD-PT6	8.5
Average =	849.8	Average =	2603.7
Composite =	878.6	Composite =	4717.1
RPD =	3%	RPD =	58%
<b>Location 2</b>			
<b>0 - 5 cm depth</b>		<b>5 - 10 cm depth</b>	
Discrete Samples:		Discrete Samples:	
SD-PT9	54.0	SD-PT10	21.0
SD-PT11	1237.7	SD-PT12	454.7
SD-PT13	320.5	SD-PT14	313.2
Average =	537.4	Average =	263.0
Composite =	661.9	Composite =	247.8
RPD =	21%	RPD =	-6%

**NOTES:**

RPD = (composite - average)/((composite + average)/2)

All concentrations in mg/kg

**Table 3**  
**Summary of Field Data from Sediment Sampling**

Sample Location	Core Number	Water Depth (ft)	Sediment Thickness (ft)	Core Length (in)	Sample Description	Comments
Location 1	1	3.0	3.0	11	black, gray-brown, fine sand, silt, plant matter, organic odor	One attempt made with an eggshell core catcher resulted in no recovery. A second attempt made without the eggshell core catcher resulted in an 11- inch core recovery.
	2	4.5	3.0	11	black, gray-brown, fine sand, silt, plant matter, organic odor	One attempt made without a core catcher resulted in an 11-inch core recovery.
	3	3.0	3.0	8	black, gray-brown, fine sand, silt, organic odor	Without a core catcher, three attempts were required before an 8-inch core was recovered. One attempt made without a core liner resulted in a core that was 6 to 8 inches in length.
Location 2	4	4.5	3.0	10.5	black, fine sand, organic odor	One attempt made without a core catcher resulted in a 10.5-inch core recovery.
	5	4.5	2.0	17	black, silt, fine sand, some organic odor, some greasy material on corer	One attempt made by dropping the corer to the bottom without a core catcher resulted in a 17-inch core recovery.
	6	3.0	2.0	11	brown and black, silts, fine sand, some fine and medium gravel, organic odor, oily sheen on the water surface	Two attempts made by dropping the corer to the bottom without a core catcher resulted in no recovery. One attempt made with core catcher pushing the corer down resulted in an 11-inch core recovery.

R.I. STATE PLANE  
COORDINATE SYSTEM

NEC POLE  
No. 195

PRODUCTION  
AREA

POLE  
No. 015

POLE  
No. 014

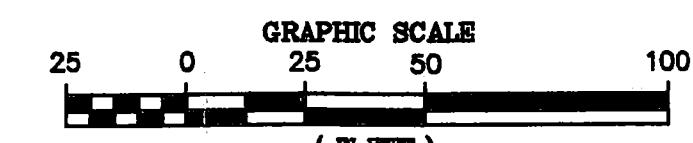
PAWTUXET RIVER

WARWICK  
AREA

CORE 2  
CORE 1  
CORE 3

WALK

BRIDGE

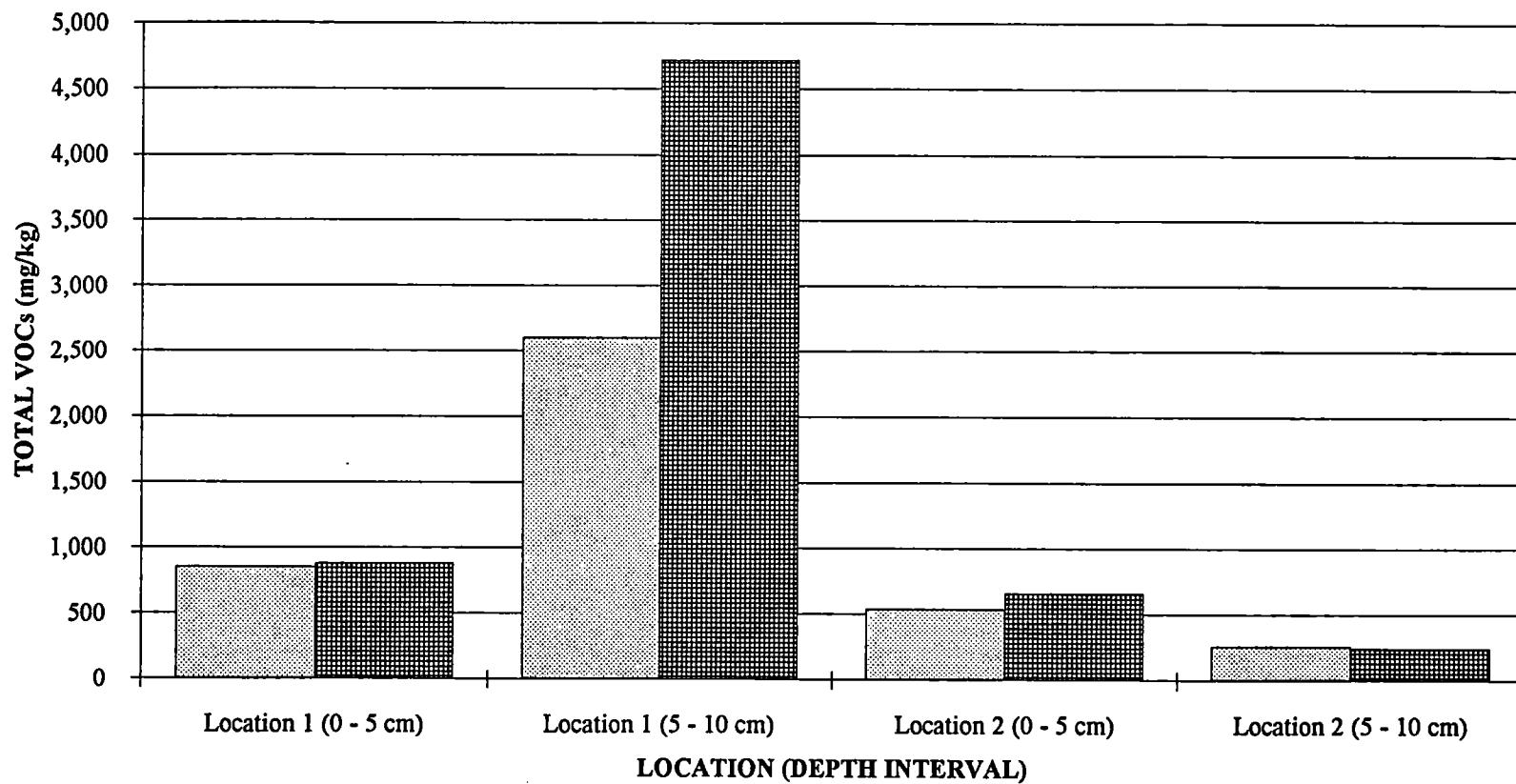


SEDIMENT SAMPLE LOCATION MAP  
CIBA-GEIGY FACILITY  
CRANSTON, RHODE ISLAND

**WOODWARD-CLYDE CONSULTANTS**

CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS  
WAYNE, NEW JERSEY

DR.BY	BAS	SCALE	AS SHOWN	PROJ.
			12 NOV 1992	FIG.NO. 1



**SEDIMENT VOC CONCENTRATION  
AVERAGE DISCRETE VS COMPOSITE RESULTS  
CIBA-GEIGY FACILITY  
CRANSTON, RHODE ISLAND**

**WOODWARD-CLYDE CONSULTANTS**  
CONSULTING ENGINEERS, GEOLOGISTS AND ENVIRONMENTAL SCIENTISTS  
WAYNE, NEW JERSEY

DR. BY:	BAS	SCALE:	NONE	PROJ. NO.:	87X4660
CK'D. BY:	RTG	DATE:	12 NOV 1992	FIG. NO.:	2

**ATTACHMENT A**

**ANALYTICAL RESULTS FOR VOC ANALYSIS OF  
SEDIMENT SAMPLES**

Environmental Technology Center

CIBA-GEIGY

CIBA-GEIGY Corporation  
P.O. Box 18300  
410 Swing Road  
Greensboro, North Carolina 27419  
Telephone 919 632 6000  
Fax 919 632 2048

October 14, 1992

Woodward-Clyde Consultants  
201 Willowbrook Boulevard  
Post Office Box 290  
Wayne, NJ 07470  
Att: Mark Houlday

Dear Mark:

Enclosed you will find the analytical data for the Cranston sediment samples submitted to CIBA-GEIGY's Corporate Environmental Technology Analytical Chemistry labs.

If you have any questions or wish further assistance, please feel free to contact me in Greensboro at (919) 632-7297.

Respectfully yours,

*Tom Barber*

Tom Barber  
Group Leader  
Analytical Chemistry

October 14, 1992

Diana Baldi  
Corporate Environmental Technology Center  
CIBA-GEIGY Corporation  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300

Diana:

Attached are GC/MS data for CETAC samples 92100062 - 92100077. These samples were submitted under the "Cranston Sediment Samples" project.

If you have any questions, please call Tom Barber at extension 7297.

Respectfully Submitted,

Susan Price 10/14/92  
Susan Price Date  
Assistant Chemist

Data Reviewed by,

T. Barber 10/14/92  
Thomas Barber Date  
Group Leader

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT1

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100062

Sample wt/vol: .4 (g/mL) G Lab File ID: &gt;V1519

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/07/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Q

74-87-3-----	Chloromethane	210.	U D
75-01-4-----	Vinyl Chloride	210.	U D
74-83-9-----	Bromomethane	210.	U D
75-00-3-----	Chloroethane	210.	U D
75-09-2-----	Methylene Chloride	210.	U D
75-35-4-----	1,1-Dichloroethene	210.	U D
75-34-3-----	1,1-Dichloroethane	210.	U D
78-93-3-----	2-Butanone	210.	U D
110-75-8-----	Chloroethylvinylether	210.	U D
540-59-0-----	1,2-Dichloroethene, _trans	210.	U D
150-60-5-----	1,2-Dichloroethene, _cis	210.	U D
67-66-3-----	Chloroform	210.	U D
107-02-2-----	1,2-Dichloroethane	210.	U D
71-55-6-----	1,1,1-Trichloroethane	210.	U D
56-23-5-----	Carbon Tetrachloride	210.	U D
78-87-5-----	1,2-Dichloropropane	210.	U D
75-27-4-----	Bromodichloromethane	210.	U D
108-10-1-----	4-Methyl-2-Pentanone	210.	U D
10061-01-5-----	cis-1,3-Dichloropropene	210.	U D
79-01-6-----	Trichloroethene	210.	U D
79-00-5-----	1,1,2-Trichloroethane	210.	U D
71-43-2-----	Benzene	210.	U D
10061-02-6-----	trans-1,3-Dichloropropene	210.	U D
127-18-4-----	Tetrachloroethene	210.	U D
124-48-1-----	Dibromochloromethane	210.	U D
79-34-5-----	1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----	Toluene	1300.	D
108-90-7-----	Chlorobenzene	13000.	D
100-41-4-----	Ethylbenzene	210.	U D
100-42-5-----	Styrene	210.	U D
75-25-2-----	Bromoform	210.	U D
133-02-7-----	o-Xylene	210.	U D
XXX-XX-X-----	m&p-Xylene	210.	U D
96-18-4-----	1,2,3-Trichloropropane	210.	U D
95-49-8	2-Chlorotoluene	210.	U D
106-43-4	4-Chlorotoluene	210.	U D
541-73-1	1,3-Dichlorobenzene	210.	U D
106-46-7	1,4-Dichlorobenzene	210.	U D
95-50-2	1,2-Dichlorobenzene	210.	U D
120-82-1	1,2,4-Trichlorobenzene	210.	U D
87-61-6	1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT2

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100063

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1510

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/06/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene, _trans	210.	U D
150-60-5-----1,2-Dichloroethene, _cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropane	210.	U D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	210.	U D
71-43-2-----Benzene	210.	U D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochloromethane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	210.	U D
108-90-7-----Chlorobenzene	14000.	D
100-41-4-----Ethylbenzene	210.	U D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	210.	U D
XXX-XX-X-----m&p-Xylene	210.	U D
96-18-4-----1,2,3-Trichloropropane	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	210.	U D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT3

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100064

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1506

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/06/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene,_trans	210.	U D
150-60-5-----1,2-Dichloroethene,_cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropane	210.	U D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	210.	U D
71-43-2-----Benzene	75000.	E D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochloromethane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	2200.	D
108-90-7-----Chlorobenzene	270000.	E D
100-41-4-----Ethylbenzene	210.	U D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	210.	U D
XXX-XX-X-----m&p-Xylene	210.	U D
96-18-4-----1,2,3-Trichloropropane	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	45000.	E D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT3

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100064

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1526

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/08/92

Column: (pack/cap) CAP Dilution Factor: 333.0000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

74-87-3-----	Chloromethane	830.	U D
75-01-4-----	Vinyl Chloride	830.	U D
74-83-9-----	Bromomethane	830.	U D
75-00-3-----	Chloroethane	830.	U D
75-09-2-----	Methylene Chloride	830.	U D
75-35-4-----	1,1-Dichloroethene	830.	U D
75-34-3-----	1,1-Dichloroethane	830.	U D
78-93-3-----	2-Butanone	830.	U D
110-75-8-----	Chloroethylvinylether	830.	U D
540-59-0-----	1,2-Dichloroethene,_trans	830.	U D
150-60-5-----	1,2-Dichloroethene,_cis	830.	U D
67-66-3-----	Chloroform	830.	U D
107-02-2-----	1,2-Dichloroethane	830.	U D
71-55-6-----	1,1,1-Trichloroethane	830.	U D
56-23-5-----	Carbon Tetrachloride	830.	U D
78-87-5-----	1,2-Dichloropropane	830.	U D
75-27-4-----	Bromodichloromethane	830.	U D
108-10-1-----	4-Methyl-2-Pentanone	830.	U D
10061-01-5-----	cis-1,3-Dichloropropene	830.	U D
79-01-6-----	Trichloroethene	830.	U D
79-00-5-----	1,1,2-Trichloroethane	830.	U D
71-43-2-----	Benzene	79000.	D
10061-02-6-----	trans-1,3-Dichloropropene	830.	U D
127-18-4-----	Tetrachloroethene	830.	U D
124-48-1-----	Dibromochloromethane	830.	U D
79-34-5-----	1,1,2,2-Tetrachloroethane	830.	U D
108-88-3-----	Toluene	2200.	D
108-90-7-----	Chlorobenzene	570000.	E D
100-41-4-----	Ethylbenzene	830.	U D
100-42-5-----	Styrene	830.	U D
75-25-2-----	Bromoform	830.	U D
133-02-7-----	o-Xylene	830.	U D
XXX-XX-X-----	n&p-Xylene	830.	U D
96-18-4-----	1,2,3-Trichloropropane	830.	U D
95-49-8-----	2-Chlorotoluene	830.	U D
106-43-4-----	4-Chlorotoluene	830.	U D
541-73-1-----	1,3-Dichlorobenzene	830.	U D
106-46-7-----	1,4-Dichlorobenzene	38000.	D
95-50-2-----	1,2-Dichlorobenzene	830.	U D
120-82-1-----	1,2,4-Trichlorobenzene	830.	U D
87-61-6-----	1,2,3-Trichlorobenzene	830.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT3

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100064

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1555

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/11/92

Column: (pack/cap) CAP Dilution Factor: 10000.00

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg Q

CAS NO.	COMPOUND		
74-87-3	Chloromethane	25000.	U D
75-01-4	Vinyl Chloride	25000.	U D
74-83-9	Bromomethane	25000.	U D
75-00-3	Chloroethane	25000.	U D
75-09-2	Methylene Chloride	25000.	U D
75-35-4	1,1-Dichloroethene	25000.	U D
75-34-3	1,1-Dichloroethane	25000.	U D
78-93-3	2-Butanone	25000.	U D
110-75-8	Chloroethylvinylether	25000.	U D
540-59-0	1,2-Dichloroethene, _trans	25000.	U D
150-60-5	1,2-Dichloroethene, _cis	25000.	U D
67-66-3	Chloroform	25000.	U D
107-02-2	1,2-Dichloroethane	25000.	U D
71-55-6	1,1,1-Trichloroethane	25000.	U D
56-23-5	Carbon Tetrachloride	25000.	U D
78-87-5	1,2-Dichloropropane	25000.	U D
75-27-4	Bromodichloromethane	25000.	U D
108-10-1	4-Methyl-2-Pentanone	25000.	U D
10061-01-5	cis-1,3-Dichloropropene	25000.	U D
79-01-6	Trichloroethene	25000.	U D
79-00-5	1,1,2-Trichloroethane	25000.	U D
71-43-2	Benzene	61000.	D
10061-02-6	trans-1,3-Dichloropropene	25000.	U D
127-18-4	Tetrachloroethene	25000.	U D
124-48-1	Dibromochloromethane	25000.	U D
79-34-5	1,1,2,2-Tetrachloroethane	25000.	U D
108-88-3	Toluene	25000.	U D
108-90-7	Chlorobenzene	2400000.	D
100-41-4	Ethylbenzene	25000.	U D
100-42-5	Styrene	25000.	U D
75-25-2	Bromoform	25000.	U D
133-02-7	o-Xylene	25000.	U D
XXX-XX-X	m&p-Xylene	25000.	U D
96-18-4	1,2,3-Trichloropropane	25000.	U D
95-49-8	2-Chlorotoluene	25000.	U D
106-43-4	4-Chlorotoluene	25000.	U D
541-73-1	1,3-Dichlorobenzene	25000.	U D
106-46-7	1,4-Dichlorobenzene	25000.	U D
95-50-2	1,2-Dichlorobenzene	25000.	U D
120-82-1	1,2,4-Trichlorobenzene	25000.	U D
87-61-6	1,2,3-Trichlorobenzene	25000.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT4

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100065

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1507

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/06/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ----- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene, _trans	210.	U D
150-60-5-----1,2-Dichloroethene, _cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropene	5500.	D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	210.	U D
71-43-2-----Benzene	56000.	E D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochloromethane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	4900.	D
108-90-7-----Chlorobenzene	610000.	E D
100-41-4-----Ethylbenzene	210.	U D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	210.	U D
XXX-XX-X-----m&p-Xylene	1300.	D
96-18-4-----1,2,3-Trichloropropene	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	40000.	E D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT4

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100065

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1527

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/08/92

Column: (pack/cap) CAP Dilution Factor: 333.0000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

74-87-3-----	Chloromethane	830.	U D
75-01-4-----	Vinyl Chloride	830.	U D
74-83-9-----	Bromomethane	830.	U D
75-00-3-----	Chloroethane	830.	U D
75-09-2-----	Methylene Chloride	830.	U D
75-35-4-----	1,1-Dichloroethene	830.	U D
75-34-3-----	1,1-Dichloroethane	830.	U D
78-93-3-----	2-Butanone	830.	U D
110-75-8-----	Chloroethylvinylether	830.	U D
540-59-0-----	1,2-Dichloroethene, trans	830.	U D
150-60-5-----	1,2-Dichloroethene, cis	830.	U D
67-66-3-----	Chloroform	830.	U D
107-02-2-----	1,2-Dichloroethane	830.	U D
71-55-6-----	1,1,1-Trichloroethane	830.	U D
56-23-5-----	Carbon Tetrachloride	830.	U D
78-87-5-----	1,2-Dichloropropane	830.	U D
75-27-4-----	Bromodichloromethane	830.	U D
108-10-1-----	4-Methyl-2-Pentanone	830.	U D
10061-01-5-----	cis-1,3-Dichloropropene	830.	U D
79-01-6-----	Trichloroethene	830.	U D
79-00-5-----	1,1,2-Trichloroethane	830.	U D
71-43-2-----	Benzene	57000.	D
10061-02-6-----	trans-1,3-Dichloropropene	830.	U D
127-18-4-----	Tetrachloroethene	830.	U D
124-48-1-----	Dibromochloromethane	830.	U D
79-34-5-----	1,1,2,2-Tetrachloroethane	830.	U D
108-88-3-----	Toluene	5800.	U D
108-90-7-----	Chlorobenzene	1100000.	E D
100-41-4-----	Ethylbenzene	830.	U D
100-42-5-----	Styrene	830.	U D
75-25-2-----	Bromoform	830.	U D
133-02-7-----	o-Xylene	830.	U D
XXX-XX-X-----	m&p-Xylene	1300.	D
96-18-4-----	1,2,3-Trichloropropane	830.	U D
95-49-8	2-Chlorotoluene	830.	U D
106-43-4	4-Chlorotoluene	830.	U D
541-73-1	1,3-Dichlorobenzene	830.	U D
106-46-7	1,4-Dichlorobenzene	160000.	E D
95-50-2	1,2-Dichlorobenzene	830.	U D
120-82-1	1,2,4-Trichlorobenzene	830.	U D
87-61-6	1,2,3-Trichlorobenzene	830.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT4

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100065

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1539

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/08/92

Column: (pack/cap) CAP Dilution Factor: 2500.000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Q

74-87-3-----Chloromethane	6300.	U D
75-01-4-----Vinyl Chloride	6300.	U D
74-83-9-----Bromomethane	6300.	U D
75-00-3-----Chloroethane	6300.	U D
75-09-2-----Methylene Chloride	6300.	U D
75-35-4-----1,1-Dichloroethene	6300.	U D
75-34-3-----1,1-Dichloroethane	6300.	U D
78-93-3-----2-Butanone	6300.	U D
110-75-8-----Chloroethylvinylether	6300.	U D
540-59-0-----1,2-Dichloroethene, <i>trans</i>	6300.	U D
150-60-5-----1,2-Dichloroethene, <i>cis</i>	6300.	U D
67-66-3-----Chloroform	6300.	U D
107-02-2-----1,2-Dichloroethane	6300.	U D
71-55-6-----1,1,1-Trichloroethane	6300.	U D
56-23-5-----Carbon Tetrachloride	6300.	U D
78-87-5-----1,2-Dichloropropane	6300.	U D
75-27-4-----Bromodichloromethane	6300.	U D
108-10-1-----4-Methyl-2-Pentanone	6300.	U D
10061-01-5-----cis-1,3-Dichloropropene	6300.	U D
79-01-6-----Trichloroethene	6300.	U D
79-00-5-----1,1,2-Trichloroethane	6300.	U D
71-43-2-----Benzene	47000.	D
10061-02-6-----trans-1,3-Dichloropropene	6300.	U D
127-18-4-----Tetrachloroethene	6300.	U D
124-48-1-----Dibromochloromethane	6300.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	6300.	U D
108-88-3-----Toluene	6300.	U D
108-90-7-----Chlorobenzene	2700000.	E D
100-41-4-----Ethylbenzene	6300.	U D
100-42-5-----Styrene	6300.	U D
75-25-2-----Bromoform	6300.	U D
133-02-7-----o-Xylene	6300.	U D
XXX-XX-X-----m&p-Xylene	6300.	U D
96-18-4-----1,2,3-Trichloropropane	6300.	U D
95-49-8-----2-Chlorotoluene	6300.	U D
106-43-4-----4-Chlorotoluene	6300.	U D
541-73-1-----1,3-Dichlorobenzene	6300.	U D
106-46-7-----1,4-Dichlorobenzene	120000.	D
95-50-2-----1,2-Dichlorobenzene	6300.	U D
120-82-1-----1,2,4-Trichlorobenzene	6300.	U D
87-61-6-----1,2,3-Trichlorobenzene	6300.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT4

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100065

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1557

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/13/92

Column: (pack/cap) CAP Dilution Factor: 40000.00

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg Q

74-87-3-----Chloromethane	100000.	U D
75-01-4-----Vinyl Chloride	100000.	U D
74-83-9-----Bromomethane	100000.	U D
75-00-3-----Chloroethane	100000.	U D
75-09-2-----Methylene Chloride	100000.	U D
75-35-4-----1,1-Dichloroethene	100000.	U D
75-34-3-----1,1-Dichloroethane	100000.	U D
78-93-3-----2-Butanone	100000.	U D
110-75-8-----Chloroethylvinylether	100000.	U D
540-59-0-----1,2-Dichloroethene,_trans	100000.	U D
150-60-5-----1,2-Dichloroethene,_cis	100000.	U D
67-66-3-----Chloroform	100000.	U D
107-02-2-----1,2-Dichloroethane	100000.	U D
71-55-6-----1,1,1-Trichloroethane	100000.	U D
56-23-5-----Carbon Tetrachloride	100000.	U D
78-87-5-----1,2-Dichloropropane	100000.	U D
75-27-4-----Bromodichloromethane	100000.	U D
108-10-1-----4-Methyl-2-Pentanone	100000.	U D
10061-01-5-----cis-1,3-Dichloropropene	100000.	U D
79-01-6-----Trichloroethene	100000.	U D
79-00-5-----1,1,2-Trichloroethane	100000.	U D
71-43-2-----Benzene	100000.	U D
10061-02-6-----trans-1,3-Dichloropropene	100000.	U D
127-18-4-----Tetrachloroethene	100000.	U D
124-48-1-----Dibromochloromethane	100000.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	100000.	U D
108-88-3-----Toluene	100000.	U D
108-90-7-----Chlorobenzene	7600000.	D
100-41-4-----Ethylbenzene	100000.	U D
100-42-5-----Styrene	100000.	U D
75-25-2-----Bromoform	100000.	U D
133-02-7-----o-Xylene	100000.	U D
XXX-XX-X-----m&p-Xylene	100000.	U D
96-18-4-----1,2,3-Trichloropropane	100000.	U D
95-49-8-----2-Chlorotoluene	100000.	U D
106-43-4-----4-Chlorotoluene	100000.	U D
541-73-1-----1,3-Dichlorobenzene	100000.	U D
106-46-7-----1,4-Dichlorobenzene	100000.	U D
95-50-2-----1,2-Dichlorobenzene	100000.	U D
120-82-1-----1,2,4-Trichlorobenzene	100000.	U D
87-61-6-----1,2,3-Trichlorobenzene	100000.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT5

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100066

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1508

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/06/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Q

CAS NO.	COMPOUND		
74-87-3-----	Chloromethane	210.	U D
75-01-4-----	Vinyl Chloride	210.	U D
74-83-9-----	Bromomethane	210.	U D
75-00-3-----	Chloroethane	210.	U D
75-09-2-----	Methylene Chloride	210.	U D
75-35-4-----	1,1-Dichloroethene	210.	U D
75-34-3-----	1,1-Dichloroethane	210.	U D
78-93-3-----	2-Butanone	210.	U D
110-75-8-----	Chloroethylvinylether	210.	U D
540-59-0-----	1,2-Dichloroethene,_trans	210.	U D
150-60-5-----	1,2-Dichloroethene,_cis	210.	U D
67-66-3-----	Chloroform	210.	U D
107-02-2-----	1,2-Dichloroethane	210.	U D
71-55-6-----	1,1,1-Trichloroethane	210.	U D
56-23-5-----	Carbon Tetrachloride	210.	U D
78-87-5-----	1,2-Dichloropropane	210.	U D
75-27-4-----	Bromodichloromethane	210.	U D
108-10-1-----	4-Methyl-2-Pentanone	210.	U D
10061-01-5-----	cis-1,3-Dichloropropene	210.	U D
79-01-6-----	Trichloroethene	210.	U D
79-00-5-----	1,1,2-Trichloroethane	210.	U D
71-43-2-----	Benzene	210.	U D
10061-02-6-----	trans-1,3-Dichloropropene	210.	U D
127-18-4-----	Tetrachloroethene	210.	U D
124-48-1-----	Dibromochloromethane	210.	U D
79-34-5-----	1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----	Toluene	210.	U D
108-90-7-----	Chlorobenzene	16000.	D
100-41-4-----	Ethylbenzene	210.	U D
100-42-5-----	Styrene	210.	U D
75-25-2-----	Bromoform	210.	U D
133-02-7-----	o-Xylene	210.	U D
XXX-XX-X-----	m&p-Xylene	210.	U D
96-18-4-----	1,2,3-Trichloropropane	210.	U D
95-49-8	2-Chlorotoluene	210.	U D
106-43-4	4-Chlorotoluene	210.	U D
541-73-1	1,3-Dichlorobenzene	210.	U D
106-46-7	1,4-Dichlorobenzene	210.	U D
95-50-2	1,2-Dichlorobenzene	210.	U D
120-82-1	1,2,4-Trichlorobenzene	210.	U D
87-61-6	1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT6

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100067

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1520

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/07/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene, trans	210.	U D
150-60-5-----1,2-Dichloroethene, cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropane	210.	U D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	210.	U D
71-43-2-----Benzene	300.	D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochemicalthane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	350.	D
108-90-7-----Chlorobenzene	7800.	D
100-41-4-----Ethylbenzene	210.	U D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	210.	U D
XXX-XX-X-----m&p-Xylene	210.	U D
96-18-4-----1,2,3-Trichloropropane	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	210.	U D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT7

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100068

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1511

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/06/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene,_trans	210.	U D
150-60-5-----1,2-Dichloroethene,_cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropane	210.	U D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	210.	U D
71-43-2-----Benzene	13000.	D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochloromethane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	630.	D
108-90-7-----Chlorobenzene	150000.	E D
100-41-4-----Ethylbenzene	210.	U D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	210.	U D
XXX-XX-X-----m&p-Xylene	210.	U D
96-18-4-----1,2,3-Trichloropropane	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	15000.	D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT7

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100068

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1552

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/11/92

Column: (pack/cap) CAP Dilution Factor: 4167.000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg Q

74-87-3-----Chloromethane	10000.	U D
75-01-4-----Vinyl Chloride	10000.	U D
74-83-9-----Bromomethane	10000.	U D
75-00-3-----Chloroethane	10000.	U D
75-09-2-----Methylene Chloride	10000.	U D
75-35-4-----1,1-Dichloroethene	10000.	U D
75-34-3-----1,1-Dichloroethane	10000.	U D
78-93-3-----2-Butanone	10000.	U D
110-75-8-----Chloroethylvinylether	10000.	U D
540-59-0-----1,2-Dichloroethene, _trans	10000.	U D
150-60-5-----1,2-Dichloroethene, _cis	10000.	U D
67-66-3-----Chloroform	10000.	U D
107-02-2-----1,2-Dichloroethane	10000.	U D
71-55-6-----1,1,1-Trichloroethane	10000.	U D
56-23-5-----Carbon Tetrachloride	10000.	U D
78-87-5-----1,2-Dichloropropane	10000.	U D
75-27-4-----Bromodichloromethane	10000.	U D
108-10-1-----4-Methyl-2-Pentanone	10000.	U D
10061-01-5-----cis-1,3-Dichloropropene	10000.	U D
79-01-6-----Trichloroethene	10000.	U D
79-00-5-----1,1,2-Trichloroethane	10000.	U D
71-43-2-----Benzene	10000.	U D
10061-02-6-----trans-1,3-Dichloropropene	10000.	U D
127-18-4-----Tetrachloroethene	10000.	U D
124-48-1-----Dibromochloromethane	10000.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	10000.	U D
108-88-3-----Toluene	10000.	U D
108-90-7-----Chlorobenzene	850000.	D
100-41-4-----Ethylbenzene	10000.	U D
100-42-5-----Styrene	10000.	U D
75-25-2-----Bromoform	10000.	U D
133-02-7-----o-Xylene	10000.	U D
XXX-XX-X-----m&p-Xylene	10000.	U D
96-18-4-----1,2,3-Trichloropropane	10000.	U D
95-49-8-----2-Chlorotoluene	10000.	U D
106-43-4-----4-Chlorotoluene	10000.	U D
541-73-1-----1,3-Dichlorobenzene	10000.	U D
106-46-7-----1,4-Dichlorobenzene	10000.	U D
95-50-2-----1,2-Dichlorobenzene	10000.	U D
120-82-1-----1,2,4-Trichlorobenzene	10000.	U D
87-61-6-----1,2,3-Trichlorobenzene	10000.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT8

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100069

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1509

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/06/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ----- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene, _trans	210.	U D
150-60-5-----1,2-Dichloroethene, _cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropane	3400.	D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	210.	U D
71-43-2-----Benzene	23000.	E D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochloromethane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	2700.	D
108-90-7-----Chlorobenzene	350000.	E D
100-41-4-----Ethylbenzene	210.	U D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	420.	D
XXX-XX-X-----m&p-Xylene	600.	D
96-18-4-----1,2,3-Trichloropropane	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	24000.	E D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT8

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100069

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1531

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/08/92

Column: (pack/cap) CAP Dilution Factor: 833.0000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Q

74-87-3-----Chloromethane	2100.	U D
75-01-4-----Vinyl Chloride	2100.	U D
74-83-9-----Bromomethane	2100.	U D
75-00-3-----Chloroethane	2100.	U D
75-09-2-----Methylene Chloride	2100.	U D
75-35-4-----1,1-Dichloroethene	2100.	U D
75-34-3-----1,1-Dichloroethane	2100.	U D
78-93-3-----2-Butanone	2100.	U D
110-75-8-----Chloroethylvinylether	2100.	U D
540-59-0-----1,2-Dichloroethene, _trans	2100.	U D
150-60-5-----1,2-Dichloroethene, _cis	2100.	U D
67-66-3-----Chloroform	2100.	U D
107-02-2-----1,2-Dichloroethane	2100.	U D
71-55-6-----1,1-Trichloroethane	2100.	U D
56-23-5-----Carbon Tetrachloride	2100.	U D
78-87-5-----1,2-Dichloropropane	2100.	U D
75-27-4-----Bromodichloromethane	2100.	U D
108-10-1-----4-Methyl-2-Pentanone	2100.	U D
10061-01-5-----cis-1,3-Dichloropropene	2100.	U D
79-01-6-----Trichloroethene	2100.	U D
79-00-5-----1,1,2-Trichloroethane	2100.	U D
71-43-2-----Benzene	22000.	D
10061-02-6-----trans-1,3-Dichloropropene	2100.	U D
127-18-4-----Tetrachloroethene	2100.	U D
124-48-1-----Dibromochloromethane	2100.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	2100.	U D
108-88-3-----Toluene	2500.	D
108-90-7-----Chlorobenzene	1100000.	E D
100-41-4-----Ethylbenzene	2100.	U D
100-42-5-----Styrene	2100.	U D
75-25-2-----Bromoform	2100.	U D
133-02-7-----o-Xylene	2100.	U D
XXX-XX-X-----m&p-Xylene	2100.	U D
96-18-4-----1,2,3-Trichloropropane	2100.	U D
95-49-8-----2-Chlorotoluene	2100.	U D
106-43-4-----4-Chlorotoluene	2100.	U D
541-73-1-----1,3-Dichlorobenzene	2100.	U D
106-46-7-----1,4-Dichlorobenzene	88000.	D
95-50-2-----1,2-Dichlorobenzene	2100.	U D
120-82-1-----1,2,4-Trichlorobenzene	2100.	U D
87-61-6-----1,2,3-Trichlorobenzene	2100.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT8

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100069

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1553

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/11/92

Column: (pack/cap) CAP Dilution Factor: 16667.00

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	42000.	U D
75-01-4	Vinyl Chloride	42000.	U D
74-83-9	Bromomethane	42000.	U D
75-00-3	Chloroethane	42000.	U D
75-09-2	Methylene Chloride	42000.	U D
75-35-4	1,1-Dichloroethene	42000.	U D
75-34-3	1,1-Dichloroethane	42000.	U D
78-93-3	2-Butanone	42000.	U D
110-75-8	Chloroethylvinylether	42000.	U D
540-59-0	1,2-Dichloroethene, _trans	42000.	U D
150-60-5	1,2-Dichloroethene, _cis	42000.	U D
67-66-3	Chloroform	42000.	U D
107-02-2	1,2-Dichloroethane	42000.	U D
71-55-6	1,1,1-Trichloroethane	42000.	U D
56-23-5	Carbon Tetrachloride	42000.	U D
78-87-5	1,2-Dichloropropane	42000.	U D
75-27-4	Bromodichloromethane	42000.	U D
108-10-1	4-Methyl-2-Pentanone	42000.	U D
10061-01-5	cis-1,3-Dichloropropene	42000.	U D
79-01-6	Trichloroethene	42000.	U D
79-00-5	1,1,2-Trichloroethane	42000.	U D
71-43-2	Benzene	42000.	U D
10061-02-6	trans-1,3-Dichloropropene	42000.	U D
127-18-4	Tetrachloroethene	42000.	U D
124-48-1	Dibromochloromethane	42000.	U D
79-34-5	1,1,2,2-Tetrachloroethane	42000.	U D
108-88-3	Toluene	42000.	U D
108-90-7	Chlorobenzene	4600000.	D
100-41-4	Ethylbenzene	42000.	U D
100-42-5	Styrene	42000.	U D
75-25-2	Bromoform	42000.	U D
133-02-7	o-Xylene	42000.	U D
XXX-XX-X	m&p-Xylene	42000.	U D
96-18-4	1,2,3-Trichloropropane	42000.	U D
95-49-8	2-Chlorotoluene	42000.	U D
106-43-4	4-Chlorotoluene	42000.	U D
541-73-1	1,3-Dichlorobenzene	42000.	U D
106-46-7	1,4-Dichlorobenzene	42000.	U D
95-50-2	1,2-Dichlorobenzene	42000.	U D
120-82-1	1,2,4-Trichlorobenzene	42000.	U D
87-61-6	1,2,3-Trichlorobenzene	42000.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT9

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100070

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1512

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/06/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene, trans	210.	U D
150-60-5-----1,2-Dichloroethene, cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropane	210.	U D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	210.	U D
71-43-2-----Benzene	210.	U D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochloromethane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	38000.	E D
108-90-7-----Chlorobenzene	37000.	E D
100-41-4-----Ethylbenzene	320.	D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	210.	U D
XXX-XX-X-----m&p-Xylene	630.	D
96-18-4-----1,2,3-Trichloropropane	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	210.	U D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT9

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100070

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1551

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/11/92

Column: (pack/cap) CAP Dilution Factor: 167.0000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

74-87-3-----	Chloromethane	420.	U D
75-01-4-----	Vinyl Chloride	420.	U D
74-83-9-----	Bromomethane	420.	U D
75-00-3-----	Chloroethane	420.	U D
75-09-2-----	Methylene Chloride	420.	U D
75-35-4-----	1,1-Dichloroethene	420.	U D
75-34-3-----	1,1-Dichloroethane	420.	U D
78-93-3-----	2-Butanone	420.	U D
110-75-8-----	Chloroethylvinylether	420.	U D
540-59-0-----	1,2-Dichloroethene, _trans	420.	U D
150-60-5-----	1,2-Dichloroethene, _cis	420.	U D
67-66-3-----	Chloroform	420.	U D
107-02-2-----	1,2-Dichloroethane	420.	U D
71-55-6-----	1,1,1-Trichloroethane	420.	U D
56-23-5-----	Carbon Tetrachloride	420.	U D
78-87-5-----	1,2-Dichloropropane	420.	U D
75-27-4-----	Bromodichloromethane	420.	U D
108-10-1-----	4-Methyl-2-Pentanone	420.	U D
10061-01-5-----	cis-1,3-Dichloropropene	420.	U D
79-01-6-----	Trichloroethene	420.	U D
79-00-5-----	1,1,2-Trichloroethane	420.	U D
71-43-2-----	Benzene	420.	U D
10061-02-6-----	trans-1,3-Dichloropropene	420.	U D
127-18-4-----	Tetrachloroethene	420.	U D
124-48-1-----	Dibromochloromethane	420.	U D
79-34-5-----	1,1,2,2-Tetrachloroethane	420.	U D
108-88-3-----	Toluene	23000.	D
108-90-7-----	Chlorobenzene	30000.	D
100-41-4-----	Ethylbenzene	420.	U D
100-42-5-----	Styrene	420.	U D
75-25-2-----	Bromoform	420.	U D
133-02-7-----	o-Xylene	420.	U D
XXX-XX-X-----	m&p-Xylene	420.	U D
96-18-4-----	1,2,3-Trichloropropane	420.	U D
95-49-8-----	2-Chlorotoluene	420.	U D
106-43-4-----	4-Chlorotoluene	420.	U D
541-73-1-----	1,3-Dichlorobenzene	420.	U D
106-46-7-----	1,4-Dichlorobenzene	420.	U D
95-50-2-----	1,2-Dichlorobenzene	420.	U D
120-82-1-----	1,2,4-Trichlorobenzene	420.	U D
87-61-6-----	1,2,3-Trichlorobenzene	420.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT10

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100071

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1521

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/07/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene, _trans	210.	U D
150-60-5-----1,2-Dichloroethene, _cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropane	210.	U D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	210.	U D
71-43-2-----Benzene	210.	U D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochloromethane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	2000.	D
108-90-7-----Chlorobenzene	19000.	D
100-41-4-----Ethylbenzene	210.	U D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	210.	U D
XXX-XX-X-----m&p-Xylene	210.	U D
96-18-4-----1,2,3-Trichloropropene	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	210.	U D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT11

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100072

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1513

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/06/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ----- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg Q

74-87-3-----	Chloromethane	210.	U D
75-01-4-----	Vinyl Chloride	210.	U D
74-83-9-----	Bromomethane	210.	U D
75-00-3-----	Chloroethane	210.	U D
75-09-2-----	Methylene Chloride	210.	U D
75-35-4-----	1,1-Dichloroethene	210.	U D
75-34-3-----	1,1-Dichloroethane	210.	U D
78-93-3-----	2-Butanone	210.	U D
110-75-8-----	Chloroethylvinylether	210.	U D
540-59-0-----	1,2-Dichloroethene, trans	210.	U D
150-60-5-----	1,2-Dichloroethene, cis	210.	U D
67-66-3-----	Chloroform	210.	U D
107-02-2-----	1,2-Dichloroethane	210.	U D
71-55-6-----	1,1,1-Trichloroethane	210.	U D
56-23-5-----	Carbon Tetrachloride	210.	U D
78-87-5-----	1,2-Dichloroproppane	210.	U D
75-27-4-----	Bromodichloromethane	210.	U D
108-10-1-----	4-Methyl-2-Pentanone	210.	U D
10061-01-5-----	cis-1,3-Dichloropropene	210.	U D
79-01-6-----	Trichloroethene	210.	U D
79-00-5-----	1,1,2-Trichloroethane	210.	U D
71-43-2-----	Benzene	210.	U D
10061-02-6-----	trans-1,3-Dichloropropene	210.	U D
127-18-4-----	Tetrachloroethene	210.	U D
124-48-1-----	Dibromochloromethane	210.	U D
79-34-5-----	1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----	Toluene	150000.	E D
108-90-7-----	Chlorobenzene	150000.	E D
100-41-4-----	Ethylbenzene	3300.	D
100-42-5-----	Styrene	210.	U D
75-25-2-----	Bromoform	210.	U D
133-02-7-----	o-Xylene	4400.	D
XXX-XX-X-----	m&p-Xylene	20000.	D
96-18-4-----	1,2,3-Trichloropropane	210.	U D
95-49-8-----	2-Chlorotoluene	210.	U D
106-43-4-----	4-Chlorotoluene	210.	U D
541-73-1-----	1,3-Dichlorobenzene	210.	U D
106-46-7-----	1,4-Dichlorobenzene	210.	U D
95-50-2-----	1,2-Dichlorobenzene	210.	U D
120-82-1-----	1,2,4-Trichlorobenzene	210.	U D
87-61-6-----	1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT11

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100072

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1554

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/11/92

Column: (pack/cap) CAP Dilution Factor: 4167.000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

## CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

Q

CAS NO.	COMPOUND		
74-87-3	Chloromethane	10000.	U D
75-01-4	Vinyl Chloride	10000.	U D
74-83-9	Bromomethane	10000.	U D
75-00-3	Chloroethane	10000.	U D
75-09-2	Methylene Chloride	10000.	U D
75-35-4	1,1-Dichloroethene	10000.	U D
75-34-3	1,1-Dichloroethane	10000.	U D
78-93-3	2-Butanone	10000.	U D
110-75-8	Chloroethylvinylether	10000.	U D
540-59-0	1,2-Dichloroethene, <i>trans</i>	10000.	U D
150-60-5	1,2-Dichloroethene, <i>cis</i>	10000.	U D
67-66-3	Chloroform	10000.	U D
107-02-2	1,2-Dichloroethane	10000.	U D
71-55-6	1,1,1-Trichloroethane	10000.	U D
56-23-5	Carbon Tetrachloride	10000.	U D
78-87-5	1,2-Dichloropropene	10000.	U D
75-27-4	Bromodichloromethane	10000.	U D
108-10-1	4-Methyl-2-Pentanone	10000.	U D
10061-01-5	<i>cis</i> -1,3-Dichloropropene	10000.	U D
79-01-6	Trichloroethene	10000.	U D
79-00-5	1,1,2-Trichloroethane	10000.	U D
71-43-2	Benzene	10000.	U D
10061-02-6	<i>trans</i> -1,3-Dichloropropene	10000.	U D
127-18-4	Tetrachloroethene	10000.	U D
124-48-1	Dibromochloromethane	10000.	U D
79-34-5	1,1,2,2-Tetrachloroethane	10000.	U D
108-88-3	Toluene	590000.	D
108-90-7	Chlorobenzene	620000.	D
100-41-4	Ethylbenzene	10000.	U D
100-42-5	Styrene	10000.	U D
75-25-2	Bromoform	10000.	U D
133-02-7	<i>o</i> -Xylene	10000.	U D
XXX-XX-X	<i>m&amp;p</i> -Xylene	10000.	U D
96-18-4	1,2,3-Trichloropropane	10000.	U D
95-49-8	2-Chlorotoluene	10000.	U D
106-43-4	4-Chlorotoluene	10000.	U D
541-73-1	1,3-Dichlorobenzene	10000.	U D
106-46-7	1,4-Dichlorobenzene	10000.	U D
95-50-2	1,2-Dichlorobenzene	10000.	U D
120-82-1	1,2,4-Trichlorobenzene	10000.	U D
87-61-6	1,2,3-Trichlorobenzene	10000.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT12

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100073

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1522

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/07/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene,_trans	210.	U D
150-60-5-----1,2-Dichloroethene,_cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropane	210.	U D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	210.	U D
71-43-2-----Benzene	210.	U D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochloromethane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	110000.	E D
108-90-7-----Chlorobenzene	99000.	E D
100-41-4-----Ethylbenzene	700.	U D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	720.	D
XXX-XX-X-----m&p-Xylene	3300.	D
96-18-4-----1,2,3-Trichloropropane	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	210.	U D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT12

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100073

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1533

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/08/92

Column: (pack/cap) CAP Dilution Factor: 833.0000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg Q

74-87-3-----	Chloromethane	2100.	U D
75-01-4-----	Vinyl Chloride	2100.	U D
74-83-9-----	Bromomethane	2100.	U D
75-00-3-----	Chloroethane	2100.	U D
75-09-2-----	Methylene Chloride	2100.	U D
75-35-4-----	1,1-Dichloroethene	2100.	U D
75-34-3-----	1,1-Dichloroethane	2100.	U D
78-93-3-----	2-Butanone	2100.	U D
110-75-8-----	Chloroethylvinylether	2100.	U D
540-59-0-----	1,2-Dichloroethene, _trans	2100.	U D
150-60-5-----	1,2-Dichloroethene, _cis	2100.	U D
67-66-3-----	Chloroform	2100.	U D
107-02-2-----	1,2-Dichloroethane	2100.	U D
71-55-6-----	1,1,1-Trichloroethane	2100.	U D
56-23-5-----	Carbon Tetrachloride	2100.	U D
78-87-5-----	1,2-Dichloropropane	2100.	U D
75-27-4-----	Bromodichloromethane	2100.	U D
108-10-1-----	4-Methyl-2-Pentanone	2100.	U D
10061-01-5-----	cis-1,3-Dichloropropene	2100.	U D
79-01-6-----	Trichloroethene	2100.	U D
79-00-5-----	1,1,2-Trichloroethane	2100.	U D
71-43-2-----	Benzene	2100.	U D
10061-02-6-----	trans-1,3-Dichloropropene	2100.	U D
127-18-4-----	Tetrachloroethene	2100.	U D
124-48-1-----	Dibromochloromethane	2100.	U D
79-34-5-----	1,1,2-Tetrachloroethane	2100.	U D
108-88-3-----	Toluene	220000.	D
108-90-7-----	Chlorobenzene	230000.	D
100-41-4-----	Ethylbenzene	2100.	U D
100-42-5-----	Styrene	2100.	U D
75-25-2-----	Bromoform	2100.	U D
133-02-7-----	o-Xylene	2100.	U D
XXX-XX-X-----	m&p-Xylene	2100.	U D
96-18-4-----	1,2,3-Trichloropropane	2100.	U D
95-49-8	2-Chlorotoluene	2100.	U D
106-43-4	4-Chlorotoluene	2100.	U D
541-73-1	1,3-Dichlorobenzene	2100.	U D
106-46-7	1,4-Dichlorobenzene	2100.	U D
95-50-2	1,2-Dichlorobenzene	2100.	U D
120-82-1	1,2,4-Trichlorobenzene	2100.	U D
87-61-6	1,2,3-Trichlorobenzene	2100.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT13

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100074

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1523

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/07/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Q

74-87-3-----	Chloromethane	210.	U D
75-01-4-----	Vinyl Chloride	210.	U D
74-83-9-----	Bromomethane	210.	U D
75-00-3-----	Chloroethane	210.	U D
75-09-2-----	Methylene Chloride	210.	U D
75-35-4-----	1,1-Dichloroethene	210.	U D
75-34-3-----	1,1-Dichloroethane	210.	U D
78-93-3-----	2-Butanone	210.	U D
110-75-8-----	Chloroethylvinylether	210.	U D
540-59-0-----	1,2-Dichloroethene,_trans	210.	U D
150-60-5-----	1,2-Dichloroethene,_cis	210.	U D
67-66-3-----	Chloroform	210.	U D
107-02-2-----	1,2-Dichloroethane	210.	U D
71-55-6-----	1,1,1-Trichloroethane	210.	U D
56-23-5-----	Carbon Tetrachloride	210.	U D
78-87-5-----	1,2-Dichloropropane	210.	U D
75-27-4-----	Bromodichloromethane	210.	U D
108-10-1-----	4-Methyl-2-Pentanone	210.	U D
10061-01-5-----	cis-1,3-Dichloropropene	210.	U D
79-01-6-----	Trichloroethene	210.	U D
79-00-5-----	1,1,2-Trichloroethane	210.	U D
71-43-2-----	Benzene	210.	U D
10061-02-6-----	trans-1,3-Dichloropropene	210.	U D
127-18-4-----	Tetrachloroethene	1300.	D
124-48-1-----	Dibromochloromethane	210.	U D
79-34-5-----	1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----	Toluene	65000.	E D
108-90-7-----	Chlorobenzene	100000.	E D
100-41-4-----	Ethylbenzene	2000.	D
100-42-5-----	Styrene	770.	D
75-25-2-----	Bromoform	210.	U D
133-02-7-----	o-Xylene	2100.	U D
XXX-XX-X-----	m&p-Xylene	6500.	D
96-18-4-----	1,2,3-Trichloropropane	210.	U D
95-49-8	2-Chlorotoluene	210.	U D
106-43-4	4-Chlorotoluene	210.	U D
541-73-1	1,3-Dichlorobenzene	1600.	D
106-46-7	1,4-Dichlorobenzene	1400.	D
95-50-2	1,2-Dichlorobenzene	1800.	D
120-82-1	1,2,4-Trichlorobenzene	210.	U D
87-61-6	1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT13

Lab Name: CET ANALYTICAL CHEMISTRY Contract: N/A  
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A  
 Matrix: (soil/water) SOIL Lab Sample ID: 92100074  
 Sample wt/vol: 4 (g/mL) G Lab File ID: >V1534  
 Level: (low/med) MED Date Received: 10/06/92  
 % Moisture: not dec.---- Date Analyzed: 10/08/92  
 Column: (pack/cap) CAP Dilution Factor: 833.0000  
 Final extract Volume: ---- (uL) Conversion Factor: 1.0000  
 Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND		Q
74-87-3-----	Chloromethane	2100.	U D
75-01-4-----	Vinyl Chloride	2100.	U D
74-83-9-----	Bromomethane	2100.	U D
75-00-3-----	Chloroethane	2100.	U D
75-09-2-----	Methylene Chloride	2100.	U D
75-35-4-----	1,1-Dichloroethene	2100.	U D
75-34-3-----	1,1-Dichloroethane	2100.	U D
78-93-3-----	2-Butanone	2100.	U D
110-75-8-----	Chloroethylvinylether	2100.	U D
540-59-0-----	1,2-Dichloroethene, _trans	2100.	U D
150-60-5-----	1,2-Dichloroethene, _cis	2100.	U D
67-66-3-----	Chloroform	2100.	U D
107-02-2-----	1,2-Dichloroethane	2100.	U D
71-55-6-----	1,1,1-Trichloroethane	2100.	U D
56-23-5-----	Carbon Tetrachloride	2100.	U D
78-87-5-----	1,2-Dichloropropane	2100.	U D
75-27-4-----	Bromodichloromethane	2100.	U D
108-10-1-----	4-Methyl-2-Pentanone	2100.	U D
10061-01-5-----	cis-1,3-Dichloropropene	2100.	U D
79-01-6-----	Trichloroethene	2100.	U D
79-00-5-----	1,1,2-Trichloroethane	2100.	U D
71-43-2-----	Benzene	2100.	U D
10061-02-6-----	trans-1,3-Dichloropropene	2100.	U D
127-18-4-----	Tetrachloroethene	2100.	U D
124-48-1-----	Dibromochloromethane	2100.	U D
79-34-5-----	1,1,2,2-Tetrachloroethane	2100.	U D
108-88-3-----	Toluene	93000.	D
108-90-7-----	Chlorobenzene	210000.	D
100-41-4-----	Ethylbenzene	2100.	U D
100-42-5-----	Styrene	2100.	U D
75-25-2-----	Bromoform	2100.	U D
133-02-7-----	o-Xylene	2100.	U D
XXX-XX-X-----	m&p-Xylene	3100.	D
96-18-4-----	1,2,3-Trichloropropane	2100.	U D
95-49-8	2-Chlorotoluene	2100.	U D
106-43-4	4-Chlorotoluene	2100.	U D
541-73-1	1,3-Dichlorobenzene	2100.	U D
106-46-7	1,4-Dichlorobenzene	2100.	U D
95-50-2	1,2-Dichlorobenzene	2100.	U D
120-82-1	1,2,4-Trichlorobenzene	2100.	U D
87-61-6	1,2,3-Trichlorobenzene	2100.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT14

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100075

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1535

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/08/92

Column: (pack/cap) CAP Dilution Factor: 833.0000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/Kg Q

74-87-3-----	Chloromethane	2100.	UD
75-01-4-----	Vinyl Chloride	2100.	UD
74-83-9-----	Bromomethane	2100.	UD
75-00-3-----	Chloroethane	2100.	UD
75-09-2-----	Methylene Chloride	2100.	UD
75-35-4-----	1,1-Dichloroethene	2100.	UD
75-34-3-----	1,1-Dichloroethane	2100.	UD
78-93-3-----	2-Butanone	2100.	UD
110-75-8-----	Chloroethylvinylether	2100.	UD
540-59-0-----	1,2-Dichloroethene, _trans	2100.	UD
150-60-5-----	1,2-Dichloroethene, _cis	2100.	UD
67-66-3-----	Chloroform	2100.	UD
107-02-2-----	1,2-Dichloroethane	2100.	UD
71-55-6-----	1,1,1-Trichloroethane	2100.	UD
56-23-5-----	Carbon Tetrachloride	2100.	UD
78-87-5-----	1,2-Dichloropropane	2100.	UD
75-27-4-----	Bromodichloromethane	2100.	UD
108-10-1-----	4-Methyl-2-Pentanone	2100.	UD
10061-01-5-----	cis-1,3-Dichloropropene	2100.	UD
79-01-6-----	Trichloroethene	2100.	UD
79-00-5-----	1,1,2-Trichloroethane	2100.	UD
71-43-2-----	Benzene	2100.	UD
10061-02-6-----	trans-1,3-Dichloropropene	2100.	UD
127-18-4-----	Tetrachloroethene	2100.	UD
124-48-1-----	Dibromochloromethane	2100.	UD
79-34-5-----	1,1,2,2-Tetrachloroethane	2100.	UD
108-88-3-----	Toluene	83000.	D
108-90-7-----	Chlorobenzene	210000.	D
100-41-4-----	Ethylbenzene	2700.	D
100-42-5-----	Styrene	2100.	UD
75-25-2-----	Bromoform	2100.	UD
133-02-7-----	o-Xylene	2600.	D
XXX-XX-X-----	m&p-Xylene	8200.	D
96-18-4-----	1,2,3-Trichloropropane	2100.	UD
95-49-8-----	2-Chlorotoluene	2100.	UD
106-43-4-----	4-Chlorotoluene	2100.	UD
541-73-1-----	1,3-Dichlorobenzene	2100.	UD
106-46-7-----	1,4-Dichlorobenzene	2100.	UD
95-50-2-----	1,2-Dichlorobenzene	2100.	UD
120-82-1-----	1,2,4-Trichlorobenzene	3700.	D
87-61-6-----	1,2,3-Trichlorobenzene	3000.	D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT15

Lab Name: CET ANALYTICAL CHEMISTRY Contract: N/A  
 Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A  
 Matrix: (soil/water) SOIL Lab Sample ID: 92100076  
 Sample wt/vol: 4 (g/mL) G Lab File ID: >V1515  
 Level: (low/med) MED Date Received: 10/06/92  
 % Moisture: not dec.---- Date Analyzed: 10/06/92  
 Column: (pack/cap) CAP Dilution Factor: 83.00000  
 Final extract Volume: ---- (uL) Conversion Factor: 1.0000  
 Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene, _trans	210.	U D
150-60-5-----1,2-Dichloroethene, _cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropane	210.	U D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	120.	J D
71-43-2-----Benzene	210.	U D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochloromethane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	110000.	E D
108-90-7-----Chlorobenzene	110000.	E D
100-41-4-----Ethylbenzene	1500.	D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	1900.	D
XXX-XX-X-----m&p-Xylene	8500.	D
96-18-4-----1,2,3-Trichloropropane	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	210.	U D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT15

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100076

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1560

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/13/92

Column: (pack/cap) CAP Dilution Factor: 2000.000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	5000.	U D
75-01-4	Vinyl Chloride	5000.	U D
74-83-9	Bromomethane	5000.	U D
75-00-3	Chloroethane	5000.	U D
75-09-2	Methylene Chloride	5000.	U D
75-35-4	1,1-Dichloroethene	5000.	U D
75-34-3	1,1-Dichloroethane	5000.	U D
78-93-3	2-Butanone	5000.	U D
110-75-8	Chloroethylvinylether	5000.	U D
540-59-0	1,2-Dichloroethene, _trans	5000.	U D
150-60-5	1,2-Dichloroethene, _cis	5000.	U D
67-66-3	Chloroform	5000.	U D
107-02-2	1,2-Dichloroethane	5000.	U D
71-55-6	1,1,1-Trichloroethane	5000.	U D
56-23-5	Carbon Tetrachloride	5000.	U D
78-87-5	1,2-Dichloropropane	5000.	U D
75-27-4	Bromodichloromethane	5000.	U D
108-10-1	4-Methyl-2-Pentanone	5000.	U D
10061-01-5	cis-1,3-Dichloropropene	5000.	U D
79-01-6	Trichloroethene	5000.	U D
79-00-5	1,1,2-Trichloroethane	5000.	U D
71-43-2	Benzene	5000.	U D
10061-02-6	trans-1,3-Dichloropropene	5000.	U D
127-18-4	Tetrachloroethene	5000.	U D
124-48-1	Dibromochloromethane	5000.	U D
79-34-5	1,1,2,2-Tetrachloroethane	5000.	U D
108-88-3	Toluene	280000.	D
108-90-7	Chlorobenzene	370000.	D
100-41-4	Ethylbenzene	5000.	U D
100-42-5	Styrene	5000.	U D
75-25-2	Bromoform	5000.	U D
133-02-7	o-Xylene	5000.	U D
XXX-XX-X	m&p-Xylene	5000.	U D
96-18-4	1,2,3-Trichloropropane	5000.	U D
95-49-8	2-Chlorotoluene	5000.	U D
106-43-4	4-Chlorotoluene	5000.	U D
541-73-1	1,3-Dichlorobenzene	5000.	U D
106-46-7	1,4-Dichlorobenzene	5000.	U D
95-50-2	1,2-Dichlorobenzene	5000.	U D
120-82-1	1,2,4-Trichlorobenzene	5000.	U D
87-61-6	1,2,3-Trichlorobenzene	5000.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT16

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100077

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1525

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/07/92

Column: (pack/cap) CAP Dilution Factor: 83.00000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg Q

74-87-3-----Chloromethane	210.	U D
75-01-4-----Vinyl Chloride	210.	U D
74-83-9-----Bromomethane	210.	U D
75-00-3-----Chloroethane	210.	U D
75-09-2-----Methylene Chloride	210.	U D
75-35-4-----1,1-Dichloroethene	210.	U D
75-34-3-----1,1-Dichloroethane	210.	U D
78-93-3-----2-Butanone	210.	U D
110-75-8-----Chloroethylvinylether	210.	U D
540-59-0-----1,2-Dichloroethene,_trans	210.	U D
150-60-5-----1,2-Dichloroethene,_cis	210.	U D
67-66-3-----Chloroform	210.	U D
107-02-2-----1,2-Dichloroethane	210.	U D
71-55-6-----1,1,1-Trichloroethane	210.	U D
56-23-5-----Carbon Tetrachloride	210.	U D
78-87-5-----1,2-Dichloropropane	210.	U D
75-27-4-----Bromodichloromethane	210.	U D
108-10-1-----4-Methyl-2-Pentanone	210.	U D
10061-01-5-----cis-1,3-Dichloropropene	210.	U D
79-01-6-----Trichloroethene	210.	U D
79-00-5-----1,1,2-Trichloroethane	210.	U D
71-43-2-----Benzene	210.	U D
10061-02-6-----trans-1,3-Dichloropropene	210.	U D
127-18-4-----Tetrachloroethene	210.	U D
124-48-1-----Dibromochloromethane	210.	U D
79-34-5-----1,1,2,2-Tetrachloroethane	210.	U D
108-88-3-----Toluene	73000.	E D
108-90-7-----Chlorobenzene	95000.	E D
100-41-4-----Ethylbenzene	590.	D
100-42-5-----Styrene	210.	U D
75-25-2-----Bromoform	210.	U D
133-02-7-----o-Xylene	580.	D
XXX-XX-X-----m&p-Xylene	2600.	D
96-18-4-----1,2,3-Trichloropropane	210.	U D
95-49-8-----2-Chlorotoluene	210.	U D
106-43-4-----4-Chlorotoluene	210.	U D
541-73-1-----1,3-Dichlorobenzene	210.	U D
106-46-7-----1,4-Dichlorobenzene	210.	U D
95-50-2-----1,2-Dichlorobenzene	210.	U D
120-82-1-----1,2,4-Trichlorobenzene	210.	U D
87-61-6-----1,2,3-Trichlorobenzene	210.	U D

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

CUSTOMER SAMPLE NO.

SD-PT16

Lab Name:CET ANALYTICAL CHEMISTRY Contract:N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: N/A

Matrix: (soil/water) SOIL Lab Sample ID: 92100077

Sample wt/vol: 4 (g/mL) G Lab File ID: &gt;V1537

Level: (low/med) MED Date Received: 10/06/92

% Moisture: not dec.---- Date Analyzed: 10/08/92

Column: (pack/cap) CAP Dilution Factor: 833.0000

Final extract Volume: ---- (uL) Conversion Factor: 1.0000

Aliquot Volume: --- (uL)

CONCENTRATION UNITS:  
(ug/L or ug/Kg) ug/Kg

Q

CAS NO.	COMPOUND			
74-87-3	Chloromethane	2100.	U D	
75-01-4	Vinyl Chloride	2100.	U D	
74-83-9	Bromomethane	2100.	U D	
75-00-3	Chloroethane	2100.	U D	
75-09-2	Methylene Chloride	2100.	U D	
75-35-4	1,1-Dichloroethene	2100.	U D	
75-34-3	1,1-Dichloroethane	2100.	U D	
78-93-3	2-Butanone	2100.	U D	
110-75-8	Chloroethylvinylether	2100.	U D	
540-59-0	1,2-Dichloroethene, trans	2100.	U D	
150-60-5	1,2-Dichloroethene, cis	2100.	U D	
67-66-3	Chloroform	2100.	U D	
107-02-2	1,2-Dichloroethane	2100.	U D	
71-55-6	1,1,1-Trichloroethane	2100.	U D	
56-23-5	Carbon Tetrachloride	2100.	U D	
78-87-5	1,2-Dichloropropane	2100.	U D	
75-27-4	Bromodichloromethane	2100.	U D	
108-10-1	4-Methyl-2-Pentanone	2100.	U D	
10061-01-5	cis-1,3-Dichloropropene	2100.	U D	
79-01-6	Trichloroethene	2100.	U D	
79-00-5	1,1,2-Trichloroethane	2100.	U D	
71-43-2	Benzene	2100.	U D	
10061-02-6	trans-1,3-Dichloropropene	2100.	U D	
127-18-4	Tetrachloroethene	2100.	U D	
124-48-1	Dibromochloromethane	2100.	U D	
79-34-5	1,1,2,2-Tetrachloroethane	2100.	U D	
108-88-3	Toluene	94000.	D	
108-90-7	Chlorobenzene	150000.	D	
100-41-4	Ethylbenzene	2100.	U D	
100-42-5	Styrene	2100.	U D	
75-25-2	Bromoform	2100.	U D	
133-02-7	o-Xylene	2100.	U D	
XXX-XX-X	m&p-Xylene	2200.	D	
96-18-4	1,2,3-Trichloropropane	2100.	U D	
95-49-8	2-Chlorotoluene	2100.	U D	
106-43-4	4-Chlorotoluene	2100.	U D	
541-73-1	1,3-Dichlorobenzene	2100.	U D	
106-46-7	1,4-Dichlorobenzene	2100.	U D	
95-50-2	1,2-Dichlorobenzene	2100.	U D	
120-82-1	1,2,4-Trichlorobenzene	2100.	U D	
87-61-6	1,2,3-Trichlorobenzene	2100.	U D	